

## MEDIA RELEASE

25 February 2022

### Monthly Manufacturing Performance – January 2022

#### Highlights

- On a year-on-year basis, Singapore's manufacturing output increased 2.0% in January 2022. Excluding biomedical manufacturing, output grew 4.7%.
- On a seasonally adjusted month-on-month basis, manufacturing output decreased 10.7% in January 2022. Excluding biomedical manufacturing, output fell 0.2%.

#### (I) Total Manufacturing Performance

1. Singapore's manufacturing output increased 2.0% in January 2022 on a year-on-year basis. Excluding biomedical manufacturing, output grew 4.7%. On a seasonally adjusted month-on-month basis, manufacturing output decreased 10.7%. Excluding biomedical manufacturing, output fell 0.2%.

**(II) Performance by cluster**

2. General manufacturing: Output rose 17.4% in January 2022 on a year-on-year basis, with all segments recording output growth. The miscellaneous industries segment grew 19.9% with higher production of construction-related products, jewellery and wearing apparel. The food, beverage & tobacco and printing segments expanded 16.3% and 4.1% respectively, with the former recording higher production of beverage products and milk powder.
3. Transport engineering: Output grew 16.2% in January 2022 compared to the same period in 2021. The aerospace segment grew 25.8% with higher volume of maintenance, repair and overhaul work from commercial airlines, on the back of the easing of global travel restrictions compared to a year ago. The marine & offshore engineering segment rose 9.6% with a higher level of work done in shipbuilding & repairing activities.
4. Precision engineering: Output expanded 11.6% year-on-year in January 2022. The machinery & systems segment grew 20.5%, on account of higher output of semiconductor equipment, machine tools & accessories and measuring devices. Conversely, the precision modules & components segment declined 5.7% with lower output of optical products.
5. Electronics: Output grew 0.1% in January 2022 from the high production base a year ago. The infocomms & consumer electronics and other electronic modules & components segments recorded output increases of 26.3% and 19.5% respectively. On the other hand, the semiconductors and computer peripherals & data storage segments declined 0.9% and 4.8% respectively.
6. Chemicals: Output decreased 2.3% in January 2022 compared to the same period in 2021. The petroleum refining throughput expanded 13.3% from the low production

base a year ago, due to weaker export demand amid the COVID-19 outbreak. The specialties and petrochemicals segments grew 3.6% and 2.1% respectively, with the former recording higher production of industrial gases. On the other hand, the other chemicals segment contracted 22.1% with lower output in fragrances.

7. Biomedical manufacturing: Output declined 10.6% in January 2022 on a year-on-year basis. The medical technology segment expanded 1.1% with higher export demand for medical devices. By contrast, output of the pharmaceuticals segment declined 18.0% due to lower production of biological products.
8. The next monthly manufacturing performance media release will be issued on 25 March 2022.

- END -

*Editors' Note: Updates on Monthly Manufacturing Output are available on <https://www.gov.sg/resources/sqpc/> and <https://www.edb.gov.sg>*

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## **About the Singapore Economic Development Board**

The Singapore Economic Development Board (EDB), a government agency under the Ministry of Trade and Industry, is responsible for strategies that enhance Singapore's position as a global centre for business, innovation, and talent. We undertake investment promotion and industry development, and work with international businesses, both foreign and local, by providing information, connection to partners and access to government incentives for their investments. Our mission is to create sustainable economic growth, with vibrant business and good job opportunities for Singapore.

For more information on EDB, please visit [www.edb.gov.sg](http://www.edb.gov.sg)

**TABLE 1 : MANUFACTURING SECTOR GROWTH**

Period		NSA INDEX Total Mfg ( 2019 = 100 )	YOY Growth (%) Total Mfg	SA INDEX Total Mfg	SA MOM GROWTH (%) Total Mfg	SA INDEX Total Mfg excl Biomedical Mfg	SA MOM GROWTH (%) Total Mfg excl Biomedical Mfg
2020	Jan	110.8	3.7	110.6	16.1	104.9	8.6
	Feb	88.1	-0.5	93.7	-15.3	95.3	-9.1
	Mar	117.7	21.5	114.6	22.4	100.8	5.8
	Apr	117.7	12.0	113.0	-1.4	99.0	-1.8
	May	89.0	-7.9	95.4	-15.6	93.1	-6.0
	Jun	98.8	-6.1	98.8	3.6	96.4	3.6
	Jul	103.3	-7.1	99.6	0.8	104.4	8.2
	Aug	109.9	16.4	112.2	12.6	107.6	3.1
	Sep	127.7	25.9	124.7	11.1	106.7	-0.9
	Oct	106.2	-0.4	104.8	-15.9	108.2	1.4
	Nov	106.7	19.4	108.8	3.8	109.3	1.0
	Dec	114.5	17.1	111.5	2.4	118.2	8.2
2021	Jan	121.5	9.6	115.6	3.6	115.5	-2.3
	Feb	103.0	17.0	117.4	1.6	115.6	0.1
	Mar	128.6	9.3	116.9	-0.5	115.5	-0.2
	Apr	121.0	2.8	117.8	0.8	114.5	-0.9
	May	113.3	27.3	121.8	3.4	117.2	2.4
	Jun	126.8	28.4	120.3	-1.2	117.7	0.4
	Jul	120.3	16.6	119.8	-0.4	116.8	-0.8
	Aug	122.4	11.4	123.5	3.1	122.1	4.6
	Sep	125.2	-2.0	122.7	-0.7	119.0	-2.5
	Oct	124.3	17.0	126.4	3.0	120.6	1.3
	Nov	121.8	14.2	127.9	1.2	121.3	0.6
	Dec	133.6	16.7	131.7	3.0	120.2	-0.9
2022	Jan*	123.9	2.0	117.6	-10.7	120.0	-0.2

Note:

- \* - Preliminary
- NSA Index - Non seasonally adjusted index
- MOM - Month-on-month
- YOY - Year-on-year

**TABLE 2 : PERFORMANCE BY CLUSTERS**

Industry Cluster	Weights	% change over corresponding period of previous year			% change of 3-month moving average over corresponding period of previous year		
		Nov 21	Dec 21	Jan 22*	Nov 21	Dec 21	Jan 22*
<b>Electronics</b>	<b>40.0</b>	<b>9.2</b>	<b>-2.6</b>	<b>0.1</b>	<b>7.8</b>	<b>4.1</b>	<b>1.9</b>
Semiconductors	31.8	9.1	-7.0	-0.9	6.8	1.7	0.1
Computer Peripherals & Data Storage	3.0	5.6	1.2	-4.8	11.5	11.7	0.5
Infocomms & Consumer Electronics	3.8	28.5	33.7	26.3	17.7	29.0	30.3
Other Electronic Modules & Components	1.4	15.9	5.4	19.5	22.8	12.5	12.9
<b>Biomedical Manufacturing</b>	<b>16.9</b>	<b>19.8</b>	<b>90.5</b>	<b>-10.6</b>	<b>-0.4</b>	<b>52.9</b>	<b>26.6</b>
Pharmaceuticals	10.1	31.1	162.3	-18.0	-1.2	87.4	39.1
Medical Technology	6.8	-13.4	-0.4	1.1	-4.7	-5.5	-4.6
<b>Chemicals</b>	<b>13.3</b>	<b>8.5</b>	<b>1.2</b>	<b>-2.3</b>	<b>12.0</b>	<b>7.9</b>	<b>2.2</b>
Petroleum	1.8	17.6	14.7	13.3	19.7	16.0	15.1
Petrochemicals	5.5	17.9	8.2	2.1	17.9	14.0	8.9
Specialties	3.5	-0.5	-2.3	3.6	2.2	2.0	0.3
Others	2.5	-2.3	-11.0	-22.1	6.4	-1.0	-12.3

\* Preliminary

**TABLE 2 : PERFORMANCE BY CLUSTERS (Continued)**

Industry Cluster	Weights	% change over corresponding period of previous year			% change of 3-month moving average over corresponding period of previous year		
		Nov 21	Dec 21	Jan 22*	Nov 21	Dec 21	Jan 22*
<b>Precision Engineering</b>	<b>14.8</b>	<b>13.8</b>	<b>17.6</b>	<b>11.6</b>	<b>17.4</b>	<b>13.3</b>	<b>14.4</b>
Machinery & Systems	10.0	24.9	27.8	20.5	27.5	24.0	24.4
Precision Modules & Components	4.8	-8.5	-1.4	-5.7	-2.8	-7.4	-5.2
<b>Transport Engineering</b>	<b>7.2</b>	<b>31.8</b>	<b>46.1</b>	<b>16.2</b>	<b>26.8</b>	<b>37.8</b>	<b>31.7</b>
Marine & Offshore Engineering	2.5	35.8	50.2	9.6	40.5	52.8	33.5
Aerospace	3.6	46.7	59.1	25.8	31.7	43.2	43.1
Land	1.1	-14.5	19.4	-2.3	-9.4	-1.3	1.4
<b>General Manufacturing Industries</b>	<b>7.9</b>	<b>8.5</b>	<b>9.0</b>	<b>17.4</b>	<b>2.6</b>	<b>6.0</b>	<b>11.7</b>
Printing	0.7	1.6	-10.4	4.1	-6.8	-6.1	-2.1
Food, Beverages & Tobacco	4.4	3.3	7.3	16.3	-8.1	-0.5	9.3
Miscellaneous Industries	2.9	18.8	18.9	19.9	21.1	19.4	19.2
<b>Total Manufacturing</b>	<b>100.0</b>	<b>14.2</b>	<b>16.7</b>	<b>2.0</b>	<b>9.0</b>	<b>16.0</b>	<b>10.7</b>
<b>Manufacturing excluding Biomedical Manufacturing</b>	<b>83.1</b>	<b>11.9</b>	<b>5.9</b>	<b>4.7</b>	<b>10.9</b>	<b>9.0</b>	<b>7.3</b>

\* Preliminary

**TABLE 3 : MONTHLY INDEX OF INDUSTRIAL PRODUCTION BY INDUSTRY CLUSTER, JANUARY 2020 TO JANUARY 2022**

Period	Electronics					Biomedical Manufacturing			Chemicals					
	Total	Semi-conductors	Computer Peripherals & Data Storage	Infocomms & Consumer Electronics	Other Electronic Modules & Components	Total	Pharmaceuticals	Medical Technology	Total	Petroleum	Petrochemicals	Specialties	Others	
<b>2019=100</b>														
2020	Jan	111.2	114.6	89.6	90.2	91.9	135.1	149.4	95.9	104.0	109.0	107.1	104.2	91.5
	Feb	83.2	82.9	90.4	67.6	98.6	85.6	83.6	91.1	101.5	99.8	102.2	103.9	97.0
	Mar	93.8	92.3	93.5	110.0	114.2	181.3	206.3	112.4	104.7	102.7	104.3	112.8	96.0
	Apr	117.7	123.4	81.9	85.6	83.3	176.9	206.3	95.8	96.6	92.2	91.8	103.6	104.6
	May	93.2	93.8	96.7	80.2	86.6	102.1	111.6	75.9	93.9	91.0	99.5	95.3	76.2
	Jun	100.3	99.8	84.7	133.0	105.8	110.2	114.9	97.2	89.1	71.4	101.7	74.2	79.3
	Jul	126.4	133.2	89.8	78.5	86.8	77.5	70.8	95.8	99.0	70.8	106.8	90.5	101.0
	Aug	120.2	124.0	111.6	73.9	98.0	131.9	141.7	104.9	103.4	74.0	107.5	107.3	100.6
	Sep	126.7	128.9	123.7	100.5	108.2	209.0	240.8	121.4	96.6	70.1	92.7	115.6	96.6
	Oct	120.9	125.0	102.2	83.1	100.2	91.1	80.0	121.9	92.0	72.9	88.5	105.1	95.3
	Nov	119.9	124.5	95.6	82.2	98.4	107.2	97.2	134.8	97.4	71.6	97.6	108.4	95.7
	Dec	135.5	138.4	106.6	131.3	124.8	84.7	65.6	137.3	109.0	76.9	112.7	113.8	107.4
2021	Jan	135.5	144.2	108.5	73.9	100.8	125.7	127.9	111.6	113.0	76.7	117.6	116.9	113.0
	Feb	109.0	113.2	97.0	69.7	96.1	104.4	97.7	99.8	104.1	74.5	108.6	112.7	93.8
	Mar	130.2	131.2	131.9	103.1	122.0	162.7	173.9	137.6	114.9	85.3	127.0	125.6	86.6
	Apr	127.3	131.3	117.8	87.7	110.0	136.5	155.4	107.5	110.5	83.5	118.3	119.3	92.9
	May	115.7	118.0	110.0	87.0	105.7	138.5	154.1	112.0	108.9	91.4	119.3	118.5	81.0
	Jun	129.2	130.1	111.6	118.5	138.8	158.4	163.4	138.8	116.6	94.4	123.4	114.5	116.2
	Jul	130.8	135.0	109.4	98.0	123.8	137.3	152.0	111.7	93.5	91.0	113.3	67.7	97.3
	Aug	139.3	144.8	118.8	94.3	122.0	130.1	134.4	113.8	104.1	90.4	106.9	107.6	99.2
	Sep	136.2	138.1	126.5	105.8	144.6	134.2	130.0	124.4	108.5	88.4	110.0	113.6	106.1
	Oct	129.0	130.1	131.0	101.4	118.2	143.1	155.4	119.0	106.1	84.3	103.6	114.8	106.4
	Nov	130.9	135.8	101.0	105.6	114.1	128.5	127.5	116.7	105.7	84.2	115.0	107.9	93.5
	Dec	131.9	128.7	107.9	175.5	131.5	161.4	172.2	136.7	110.3	88.2	122.0	111.2	95.6
2022	Jan*	135.5	142.9	103.3	93.4	120.4	112.3	104.9	112.8	110.4	86.9	120.1	121.1	88.0



**TABLE 3 : MONTHLY INDEX OF INDUSTRIAL PRODUCTION BY INDUSTRY CLUSTER, JANUARY 2020 TO JANUARY 2022 (Continued)**

Period	Precision Engineering			Transport Engineering				General Manufacturing Industries				Total Manu- facturing	Manufacturing excluding Biomedical Manufacturing
	Total	Machinery & Systems	Precision Modules & Components	Total	Marine & Offshore Engineering	Aerospace	Land	Total	Printing	Food, Beverages & Tobacco	Miscella- neous Industries		
<b>2019=100</b>													
2020 Jan	107.4	110.9	99.1	86.8	78.7	94.5	77.7	96.4	89.4	94.8	100.5	110.8	105.5
Feb	85.5	81.2	96.0	94.9	88.5	100.5	90.4	93.4	94.3	93.1	93.5	88.1	88.6
Mar	130.0	144.0	96.6	108.1	101.9	109.7	122.2	101.7	90.2	104.1	101.8	117.7	103.8
Apr	113.3	123.0	89.9	68.0	71.9	66.8	59.8	78.0	75.3	87.1	66.9	117.7	104.8
May	86.0	90.5	75.2	53.6	43.6	59.8	57.8	73.0	62.4	87.6	56.6	89.0	86.2
Jun	118.4	130.3	89.8	64.3	52.0	68.4	87.9	82.3	69.6	94.7	69.5	98.8	96.3
Jul	111.8	119.7	93.1	60.9	44.2	69.6	76.8	82.5	81.2	93.7	68.1	103.3	108.9
Aug	99.8	98.4	103.1	62.5	50.4	62.1	106.4	86.6	82.5	91.8	81.0	109.9	105.1
Sep	108.2	111.5	100.4	73.5	62.4	69.6	131.7	90.3	85.8	90.8	90.8	127.7	110.0
Oct	125.1	130.1	113.2	70.5	57.9	68.0	126.7	94.9	87.6	94.7	97.3	106.2	109.5
Nov	107.2	105.9	110.2	72.5	71.6	62.2	126.3	89.6	91.1	82.9	98.1	106.7	106.6
Dec	133.5	142.2	112.7	75.0	83.8	56.7	133.4	95.2	104.5	84.5	106.8	114.5	121.0
2021 Jan	127.0	135.9	107.9	69.4	65.2	66.0	105.1	97.5	83.8	95.5	105.0	121.5	119.3
Feb	101.0	103.5	93.2	74.4	74.6	68.3	109.3	86.8	65.9	86.6	93.9	103.0	101.5
Mar	142.1	162.1	104.5	86.6	82.4	80.6	139.3	101.5	82.3	96.1	115.8	128.6	122.3
Apr	135.9	154.9	100.2	80.1	66.0	82.3	120.2	91.4	74.1	84.6	107.1	121.0	117.3
May	114.8	121.6	99.6	78.1	77.4	72.5	112.4	92.3	67.2	82.9	114.4	113.3	108.5
Jun	143.8	166.1	102.5	81.1	71.8	79.9	123.9	96.1	65.2	91.7	112.4	126.8	120.9
Jul	134.7	151.6	102.3	80.9	67.2	86.3	96.0	92.4	69.0	86.2	109.2	120.3	116.5
Aug	122.0	129.6	105.4	77.9	69.4	76.7	116.7	92.5	69.7	87.2	107.8	122.4	119.8
Sep	142.1	155.9	114.6	83.6	69.3	85.6	126.6	89.2	74.1	76.7	112.8	125.2	122.3
Oct	135.6	154.9	99.3	95.3	103.0	86.2	114.0	95.5	79.7	84.4	117.3	124.3	120.1
Nov	122.0	132.3	100.8	95.6	97.3	91.2	108.0	97.3	92.6	85.7	116.5	121.8	119.2
Dec	157.0	181.7	111.1	109.5	125.8	90.2	159.4	103.8	93.7	90.7	126.9	133.6	128.2
2022 Jan*	141.7	163.7	101.8	80.6	71.4	83.0	102.7	114.5	87.3	111.1	125.8	123.9	124.9